

Abstract

5 Actuator arm pivot assemblies used in hard disk drives carry the read/write heads used for data transfer to/from the disk surface. Actuator arm pivot assemblies use pivot cartridges for the pivoting mechanism. Typical pivot cartridges are built on a thin sleeve made out of a stiff material, such as stainless steel. This sleeve is expensive to manufacture relative to other parts of the assembly. Eliminating the sleeve from an actuator arm pivot assembly achieves significant manufacturing cost savings.